



## *A Short Course on* **Thermal Analysis**

July 29 - 30 2015 | 9am - 4pm

**Cost: \$300 for Industrial Full Attendee**

**\$50 for Students** (*if space is available*)

*Does not include lunch*

### **Description:**

The course will include the basics of Thermal Analysis with morning lectures on differential scanning calorimetry (DSC), thermogravimetric analysis (TGA), and dynamic mechanical analysis (DMA). The afternoon sessions will have hands-on instruction by the vendors, with demonstrations on calibration and how to run experiments.

**Participating Vendors:** *TA Instruments, Mettler Toledo, & NETZSCH Instruments*

### **July 29<sup>th</sup> Program**

*TA Instruments*

*159 Lukens Drive,*

*New Castle, DE 19720*

8:45 - 9:00     **Registration**  
9:00 - 9:10     **Opening Comments, TA Instruments**  
9:10 - 10:40    **DSC Theory and Practice by Larry Judovits (Arkema)**  
10:40 - 11:10    *Break*  
11:10 - 12:40    **DSC Application and Use by Steve Sauerbrunn (CCM)**  
12:40 - 1:40     *Lunch*  
1:40 - 4:00     **Hands-on Demos with Vendors, Kadine Mohomed (TAI)**

### **July 30<sup>th</sup> Program**

*Center for Composite Materials (CCM)*

*101 Academy Street*

*University of Delaware*

*Newark, DE 19716*

8:45 - 9:00     **Registration**  
9:00 - 9:10     **Opening Comments, CCM**  
9:10 - 10:40    **Introduction to TGA, Janis Matisons (Gelest)**  
10:40 - 11:10    *Break*  
11:10 - 12:40    **Introduction to DMA, Sara Reynaud (Arkema)**  
12:40 - 1:40     *Lunch*  
1:40 - 4:00     **Hands-on Demos with Vendors, Mike Zemo (Mettler Toledo) and Dave Shepard (NETZSCH)**

### **To Register Please Contact:**

**Steve Sauerbrunn**

sauerbru@udel.edu • 302-353-6046

Composites Manufacturing Science Laboratory

101 Academy Street, Newark, DE 19716

*Payment by cash or check made payable to the TAFDV*

Event sponsored by:



*A Short Course on*  
**Thermal Analysis  
Registration Form**

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**First Name:** \_\_\_\_\_ **Last Name:** \_\_\_\_\_

**Affiliation:** \_\_\_\_\_

**Email:** \_\_\_\_\_ **Phone Number:** ( \_\_\_\_\_ ) \_\_\_\_\_

*Payment by cash or check made payable to the TAFDV*

**Please send form to:**

**Steve Sauerbrunn**

sauerbru@udel.edu • p: 302-353-6046 • f: 302-831-8525

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**CENTER FOR  
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